

Amendments To the Claims:

Please amend the claims as shown.

1. (currently amended) A combustion chamber (4) for a gas turbine (1), comprising:
~~the combustion space (24) of which is bounded by~~

an ~~annular~~ combustion chamber inner wall (28) and an ~~annular~~ combustion chamber outer wall (26) which, defining an annular combustion space between the inner wall and the outer wall; are provided on their inside with

a first lining formed from a plurality of heat shield elements (38) arranged on an interior of the outer wall defining a first inner space between the heat shield element and the outer wall;

a second lining formed from a plurality of heat shield elements arranged on an exterior of the inner wall defining a second inner space between the heat shield element and the inner wall;
and

~~wherein the or each heat shield element (28) forms together with the combustion chamber wall (25) an inner space (40) to which~~

~~a cooling medium (K) can be applied and in which there is disposed a cooling medium distributor(42) and wherein the combustion chamber inner wall (28) is formed from~~ adapted to flow within the first inner space and second inner space,

wherein the inner wall comprises a plurality of wall elements (30) abutting each other at a horizontal parting joint (31), said the wall elements (30) being connected to each other in the area of the parting joint (31) by means of a plurality of screw connections (32) oriented at an angle to the inner wall surface.

2. (currently amended) The combustion chamber (4) according to claim 1, wherein a feather key (35) is assigned to ~~the or each~~ a corresponding screw connection (32).

3. (currently amended) The combustion chamber (4) according to claim 1, wherein a cooling medium supply line (44) is connected to a plurality of cooling medium exit openings (46) via a cooling medium distributor (42).

4. (currently amended) The combustion chamber (4) according to ~~claims 1 to 3~~, wherein the cooling medium exit openings (46) are dimensioned such that the sum total of the cross-sectional areas of all the cooling medium exit openings (46) of a cooling medium distributor (42) is less than the cross-sectional area of the assigned cooling medium supply line (44).

5. (currently amended) The combustion chamber (4) according to ~~one of claims 1 to 4~~, wherein the ~~or each~~ first inner space (40) is connected to a cooling medium discharge system via a plurality of holes.

6. (currently amended) The combustion chamber (4) according to claim 1, wherein the heat shield elements (38) are fixed to the combustion chamber inner wall (28) or to the combustion chamber outer wall (26) via a tongue and groove system.

7. (currently amended) ~~Gas turbine (1) with a~~ The combustion chamber (4) according to ~~one of claims 1 to 5~~, wherein the combustion chamber is used in a gas turbine.

8. (new) The combustion chamber according to claim 4, wherein the second inner space is connected to a cooling medium discharge system via a plurality of holes.

9. (new) A combustion chamber for a gas turbine, comprising:
an outer wall having an inner side and an outer side, and a first portion and a second portion;
an inner wall having an inner side and an outer side, and a first portion and a second portion;
a first temperature resistant liner attached to the outer side of the first portion of the inner wall and attached to the inner side of the first portion of the outer wall;
a second temperature resistant liner attached to the outer side of the second portion of the inner wall and attached to the inner side of the second portion of the outer wall; and
a plurality of fasteners adapted to removably connect the first and second portions of the inner wall.

10. (new) The combustion chamber as claimed in claim 9, wherein the first portion is an upper half.

11. (new) The combustion chamber as claimed in claim 9, wherein the second portion is a lower half.

12. (new) The combustion chamber as claimed in claim 9, wherein the inner side of the outer wall and the outer side of the inner wall define a combustion zone for combusting a combustible fuel.

13. (new) The combustion chamber as claimed in claim 9, wherein the liner is formed from a plurality of heat shield elements.

14. (new) The combustion chamber as claimed in claim 13, wherein the heat shield elements are fixed to the inner wall of the outer portion and to the outer portion of the inner wall via a tongue and groove system.

15. (new) The combustion chamber as claimed in claim 9, wherein the fasteners are inter-engaging elements.

16. (new) The combustion chamber as claimed in claim 15, wherein the inter-engaging elements are oriented at an angle relative to the outer surface of the inner wall.

17. (new) The combustion chamber as claimed in claim 9, wherein the fasteners are bolts.

18. (new) The combustion chamber as claimed in claim 9, wherein a feather key is assigned to a corresponding fastener.

19. (new) The combustion chamber as claimed in claim 9, wherein a first inner space is defined by the heat shield and the inner surface of the outer wall, and a second inner space is defined by the heat shield and the outer surface of the inner wall.

20. (new) The combustion chamber as claimed in claim 19, wherein a cooling medium is adapted to flow within the first inner space and second inner space.